



Indian Institute of Technology (Indian School of Mines), Dhanbad
The Office of Dean, Research & Development

Sanction No and Date: Letter No. 4/3/2020-OIDB/1625 dated 16.12.2020	IIT (ISM) Project No.: OIDB/2020-2021/752/PE	Date: 17.12.2020
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JRF position under OIDB Sponsored Project

Applications are invited under the sponsored project. The details of the project are as under:

Position	Junior Research Fellow (JRF)
Number of Position (s)	ONE
Title of The Project	Use of Natural Extracts as Pour Point Depressants for Flow Assurance of Waxy Crude
Principal Investigator	Dr. Tarun Kumar Naiya Associate Professor, Department of Petroleum Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad-826 004, Jharkhand. Email: tarunnaiya@iitism.ac.in , Mobile: 9471191367
Tenure of Project	2 Years
Job Description (in maximum of 100 words)	Characterization of crude waxy crude oil without and with additives: PVT analysis, wax appearance temperature, wax crystal size distribution with varying PVT, viscoelastic properties, interfacial tension, change in carbon number distribution, contact angle, wettability, yield stress, SARA constituents, kinematic viscosity, pour point, wax appearance temperature, wax nucleation temperature, Studies on optimization of physicochemical properties.
Essential Qualification	M.E./M.Tech/B.E/B.Tech in Petroleum Engineering/Chemical Engineering; M.Sc in Applied Chemistry with more than 60% marks or equivalent CGPA/OGPA in Master Degree. Final Year Appearing students may also apply. Candidate must be GATE/NET qualified.
Desirable Qualification	Experience in the relevant fields.
Age and Relaxation (if any)	30 years
Fellowship	₹ 35000/- per month
Last Date & Time	4 th January, 2021, 5.00 pm
Tentative Date of Interview	9 th January, 2021, 10.00 am
How to Apply: Interested candidates may send hard copy of their applications with attested copies of all degree and experience certificates by speed post and also through Email at the address of Principal Investigator. Eligible and selected candidates will be called for an interview. The interview will in video conferencing mode.	